

| Ref # | Hits | Search Query                        | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------------------------|--|------------------|---------|------------------|
| S1    | 656  | (438/194,285,574,767).CCLS.         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/14 07:53 |
| S2    | 656  | (438/194,285,574,767).CCLS.         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/12 17:23 |
| S3    | 610  | S2 and @ad<"20040225"               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/12 17:23 |
| S4    | 656  | (438/194,285,574,767).CCLS.         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/13 16:38 |
| S5    | 610  | S4 and @ad<"20040225"               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/13 16:38 |
| S6    | 67   | S5 and (gallium adj nitride or GaN) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/14 15:07 |
| S7    | 1    | S6 and (atomic adj nitrogen)        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/13 17:05 |
| S8    | 43   | S6 and (electrode)                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/07/13 16:42 |

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| S9  | 35    | S8 and (nitrid\$5)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 16:55 |
| S10 | 1     | S8 and (nitriding)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/13 16:55 |
| S11 | 689   | (438/181,182,572,775,777).CCLS.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 07:54 |
| S16 | 650   | S11 and @ad<"20040225"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 08:00 |
| S17 | 22    | S16 and (gallium adj nitride or GaN) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 08:20 |
| S18 | 17    | S17 and (electrode)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 09:10 |
| S19 | 1     | S18 and (atomic near nitrogen)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 08:03 |
| S20 | 35905 | (gallium adj nitride) or GaN         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 09:11 |

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| S21 | 9287  | S20 and electrode                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:11 |
| S22 | 220   | S21 and (atomic adj nitrogen or nitriding) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:12 |
| S23 | 50    | S22 and (atomic adj nitrogen)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:40 |
| S24 | 9     | S23 and nitriding                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:15 |
| S25 | 7     | S24 and @ad<"20040225"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:16 |
| S26 | 199   | S22 and @ad<"20040225"                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 09:41 |
| S27 | 35905 | (gallium adj nitride) or GaN               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 15:01 |
| S28 | 9287  | S27 and electrode                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/14 15:01 |

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| S29 | 220   | S28 and (atomic adj nitrogen or nitriding)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:01 |
| S30 | 50    | S29 and (atomic adj nitrogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:01 |
| S31 | 9     | S30 and nitriding  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:01 |
| S32 | 656   | (438/194,285:574,767).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 15:09 |
| S33 | 610   | S32 and @ad<"20040225"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:09 |
| S34 | 2     | S33 and (surface adj3 stabiliz\$5 near method)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/14 15:12 |
| S35 | 24197 | (gallium adj nitride) or (GaN)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/07/18 08:31 |
| S36 | 10865 | S35 and (source or gate or drain)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/07/18 08:31 |
| S37 | 3695  | S36 and ((nitride or nitrogen or nitridation or nitr\$4) same surface) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/07/18 08:34 |

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| S38 | 760   | S36 and ((nitrogen or nitridation) with surface) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | ON  | 2005/07/18 08:34 |
| S39 | 359   | S38 and (transistor or (integrated adj circuit)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | ON  | 2005/07/18 08:36 |
| S40 | 343   | S39 and (@ad<"20040225" or @rlad<"20040225")     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | ON  | 2005/07/18 10:10 |
| S41 | 50    | S35 and ((surface adj treatment) with nitrid\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB        | OR | ON  | 2005/07/18 08:39 |
| S42 | 35960 | (gallium adj nitride) or GaN                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/19 15:04 |
| S43 | 9308  | S42 and electrode                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/19 15:04 |
| S44 | 221   | S43 and (atomic adj nitrogen or nitriding)       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/19 15:04 |
| S45 | 50    | S44 and (atomic adj nitrogen)                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/19 16:11 |
| S46 | 658   | (438/194,285,574,767).CCLS.                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 15:33 |

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| S47 | 612 | S46 and @ad<"20040225"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 15:33 |
| S48 | 68  | S47 and (gallium adj nitride or GaN)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 11:32 |
| S49 | 44  | S48 and (electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 15:42 |
| S50 | 58  | S48 and (source or gate or drain)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 15:43 |
| S51 | 11  | (atomic adj nitrogen) with (produce or generate or create) same (nitrogen near gas) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 16:26 |
| S52 | 11  | S51 and (@ad<"20040225" or rlad<"20040225")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 16:19 |
| S53 | 88  | (atomic adj nitrogen) with (produce or generate or create)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 16:19 |
| S54 | 88  | S53 and (@ad<"20040225" or rlad<"20040225")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/19 16:19 |

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| S55 | 11      | atomic adj nitrogen with (produce or generate or create) same (nitrogen near gas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/19 16:26 |
| S56 | 658     | (438/194,285,574,767).CCLS.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/20 11:33 |
| S57 | 612     | S56 and @ad<"20040225"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/20 11:33 |
| S58 | 6312206 | S57 and (aluminum adj nitride or AlN) or (aluminum or Al)                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/20 11:34 |
| S59 | 45      | S57 and (aluminum adj nitride or AlN)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/20 11:56 |
| S60 | 230     | S57 and (aluminum adj nitride or AlN or aluminum)                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/20 11:56 |
| S61 | 184     | S60 and (gate or source or drain)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/07/20 13:47 |
| S62 | 658     | (438/194,285,574,767).CCLS.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/20 13:48 |

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| S63 | 612   | S62 and @ad<"20040225"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 13:48 |
| S64 | 230   | S63 and (aluminum adj nitride or<br>AlN or aluminum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 13:48 |
| S65 | 184   | S64 and (gate or source or drain)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 13:48 |
| S66 | 45    | S65 and (gallium adj nitride or GaN)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 14:40 |
| S67 | 24227 | (gallium adj nitride) or (GaN)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/20 14:41 |
| S68 | 10883 | S67 and (source or gate or drain)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/20 14:41 |
| S69 | 762   | S68 and ((nitrogen or nitridation)<br>with surface)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/21 10:46 |
| S70 | 361   | S69 and (transistor or (integrated<br>adj circuit))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/20 14:41 |
| S71 | 345   | S70 and (@ad<"20040225" or<br>@rlad<"20040225")      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/20 14:41 |

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| S72 | 11    | S71 and (insulation adj layer)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/07/20 14:41 |
| S73 | 24281 | (gallium adj nitride) or (GaN)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/21 10:47 |
| S74 | 10922 | S73 and (source or gate or drain)       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/21 10:47 |
| S75 | 114   | S74 and (nitrogen with<br>implantation) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2005/07/21 11:11 |